

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Bobby Raymer <braymer@midtenn.net>
Subject: (no subject)
Message-ID: <199510152213.RAA20325@sneezy.midtenn.net>

Please send list of boatanchors

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: "Stephen M. Linscott" <linscot@rice.edu>
Subject: 6689 tube
Message-ID: <Pine.SUN.3.91.951015143743.18677B-1000000@is.rice.edu>

I came across some Amperex 6689/E83F 9 pin miniature tubes. They are marked "Premium Quality" and have gold plated pins. My tube substitution book crosses the 6689 to the E83F and vice versa. The ARRL HB's that I have don't list them. Anybody know what these beasts are? Thanks.

- Steve -

* Steve Linscott Divisional Consultant Natural Sciences *
* IS User Services Rice University Houston, Texas *

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: hawley@aries.scs.uiuc.edu (Chuck Hawley)
Subject: Re: 6689 tube
Message-ID: <199510152249.RAA16221@aries.scs.uiuc.edu>

>
> I came across some Amperex 6689/E83F 9 pin miniature tubes. They are
> marked "Premium Quality" and have gold plated pins. My tube substitution
> book crosses the 6689 to the E83F and vice versa. The ARRL HB's that I
> have don't list them. Anybody know what these beasts are? Thanks.

>
> - Steve -
>

It's a "long life pentode designed for unsupervised communication equipment,wide band amplifiers,.....etc". The tube has low heater current, low input and output capacitance, internal shielding construction, and small size.

A "Premium 10,000 hour" tube.

1. grid #2
2. grid #1
3. cathode
4. heater (6.3V, .3A)
5. heater
6. plate
7. internal connection
8. ditto
9. grid #3, internal shield

Max plate volts 550V
Plate dissipation 2.1W
Cathode current 16ma

Chuck, KE9UW

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Henry van Cleef <vancleef@bga.com>
Subject: 6C4 and 6V6 toobs
Message-ID: <199510150713.CAA01594@zoom.bga.com>

I have to do something about the lack of 6C4's and 6V6's around here. Last week's foray to the Belton hamfest brought home a bunch of toobs to fill bulbsnatched holes, but no 6C4's and 6V6's.

I see by the books that there are two souped up alternatives for the 6C4, the 6100 and 6135. What little the books tell me is that the 6100 is a 6C4 with a "special cathode" and that a 6135 draws 170 or 175 ma. heater current instead of 150. The two holes that I have for them are in oscillator applications---an HQ-150 and a signal generator. Anybody know anything about 6100 and 6135?

On 6V6's, one died a horrible death in my S-36A----G1-G2 short, which wiped out the cathode resistor, and, fortunately nothing more. Totting things up, I have eight holes for 6V6's around here and only 6 working toobs, all ancient and high-time. The Sovtek 6V6's are cheaper than US. Are they any good? Applications are a Magnavox radio (4 used in push-pull parallel), the S-36A, HQ-150, and Meissner Signal Shifter oscillator. They're all operated conservatively. I really don't know why a 6V6 should go bad after only 40 years. They don't make them like they used to, sad to say.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: 833-A FS
Message-ID: <Pine.ULT.3.91.951014212239.11105B-100000@admin.aurora.edu>

I have what I believe is a brand new RCA 833-A for sale. Although not in the box, it is wrapped in the typical soft brown wrapping material many tubes are. Neither the anode or the glass are dark or discolored, The filament lights, and I measure no shorts. No marks on the pins indicating it has been clamped in a socket.

Bob, K9EUI

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: n6nae@ix.netcom.com (Richard Humphrey)
Subject: A 210 Hartley
Message-ID: <199510150456.VAA03541@ix.ix.netcom.com>

This talk about Hartley oscillators reminded me of an old photo I found in a radio book. It's a b&w shot of a 1920s vintage station. On the back someone wrote:

"Xmitter is tuned G&P, series Hartley, u6HM, u6TS - take ur pick. For ease of control & steadiness it licks all others tried here. -and that covers all known (and some unknown hi!) circuits. Pyrex socket, copper tube helices, good variable condenser, sep. fil. transformer, 28 jar rectifier, small filter (20 hy es 2 mikes either side) by-pass condenser in fil. cent. tap, hefty RF chokes, c/poise and antenna leadin as far apart as possible (6 ft), copper ribbon antenna 1/2" wide 45 ft long 30 ft lead in 7/16 V.I.R., c/poise 12 enamelled 75 ft long 7 ft high, all in the clear. Operates on 3rd harmonic with 80 mills on plate at 380V RAC. Antenna current 510 uA. Not much to work 287 USA stations with, eh! Was going to QRO a 50 watter but this 210 does the job.

OA2MH"

So that's how it's done. Except maybe the raw AC on the plate.
Richard
N6NAE

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Lrware@aol.com
Subject: ATTN: Collins Collectors
Message-ID: <951015221117_74353331@mail02.mail.aol.com>

FREE to good home: (well almost, your paying the shipping from Florida)

One each: Type COL-23270 Remote Control Unit S/N 3735
Part of a Collins TCS-9 Navy Radio System.
Seems to be complete, unrestored & untested, AS IS!
(But the price is hard to beat!) :-)

If you have an almost complete TCS-9 system and need a remote control head to complete your boatanchor, please E-mail me with name, address, and phone number

Larry Ware
lrware@aol.com.

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: n5off@w5ddl.aara.org
Subject: Collins 51J-5
Message-ID: <202627@w5ddl.aara.org>

I made a boo-boo in a previous post and accidentally typed 51J-5 where I intended to type 51J-4.

Shaun Merrigan mentioned that he was sorry to hear that that was a typo as he wanted a 51J-5 to chase.

Well, actually there is a 51J-5 (at least one). I've seen pics of it. It is s.n. X002 and is described (the oic that is) as follows . . .

Looks mostly like a 51J-4. Controls on the left are:
on/off switch with OFF/STANDBY/ON/CAL

Rejection tuneing

Passband Tuning UPPER/LOWER

Selectivity A/B/C

RF Gain

Phones and Speaker jacks on the bottom left.

The main tuning looks like the regular 51J, but has a big reduction knob.

Controls on the right are:

METER Input/Output

AM/CW-SSB

AVC OFF/FAST/SLOW

Noise Limiter

Audio Gain

Band Change (just like 51J)

Bottom middle controls are:

CAL

Zero Dial

Ant Tune

This rig was probably interrupted by the 51S-1.

Well Shaun, start looking for one!! You can try VE3DSR and VE3URO for a start.

73 de tom n5off

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995

From: bill@texan.frco.com (William Hawkins)

Subject: crystal filter alignment

Message-ID: <9510150417.AA04585@texan.frco.com>

Spent some time trying to align the SX-62A this cold and windy afternoon. Everything was where it belonged, except for the crystal filter. The instructions were kinda terse. The book for the R-390 wasn't much better. I did what the SX-62 book told me to do, and went from having a notch at the crystal frequency (455 KHz) to having a peak. There is also a medium

and broad position in addition to sharp. All seems well - when the signal generator is turned thru 455, there are sharp, medium, and broad crystal peaks. But when I listen to CW (with the BFO on), there is a ringing sound, like the crystal was resonating or something. The R-390 doesn't do that - CW at .1 KHz BW just sounds like a code practice oscillator.

Am I doing something wrong, or do some crystal filters ring?

Bill Hawkins bill@bvc.frco.com 612 895-2085 Minneapolis, MN USA

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: berg stephen erik <z931086@oats.farm.niu.edu>
Subject: Re: crystal filter alignment
Message-ID: <Pine.SOL.3.91.951015102537.23749B-100000@oats>

My experience with B.A. crystal filters is limited to several National receivers. If you have the filter in the sharpest position, it will ring on cw signals. The phasing control moves the resonance, (I can't remember whether it is the series or parallel mode) around the passband which acts as a notch filter. Kind of handy.

73,

Steve WA9JML

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: MODSTEPH@ACS.EKU.EDU
Subject: Re: crystal filter alignment
Message-ID: <01HWGU9UABQA00040N@ACS.EKU.EDU>

Crystal filters do tend to "ring," and the trick of tuning a CW signal with one is to tune the signal to the same frequency as the "ring," a sort of switch from a Q-multiplier where you tune the "ring" to the frequency. Should (if correctly aligned) result in a similar result.

I think this is one of the "everyone knows" items that never got written down -- until we are at the point that nobody knows! I used receivers with crystal filters for several years before ever really understanding how to use them properly, just because I never ran across anything on how to use them.

73, A1 N5AIT

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Lrware@aol.com
Subject: Data for National/Wells Gardner VLF receiver
Message-ID: <951015185233_45305517@emout04.mail.aol.com>

Hi; I just acquired a Wells Gardner VLF receiver from a US Navy RBL-3 system. This unit is a National NC-100/101X type built under Navy contract. The Navy called it a CWQ-46161-A Receiver (15 to 600 Kc (not Hertz back then!)).

Accepted Sept. 8 1944, S/N 227

It seems to be in very good shape, still has all USN tubes in it, and they all tested good!

Anyway; anybody who has any service information, manuals, etc. and who would be

willing to send me photocopies will be promptly reimbursed for costs and postage.

I'd even pay in advance if you let me know how much you need. :-)

Many Thanks in Advance....

Larry Ware
(407) 629-2300 work
(407) 679-6975 home
lrware@aol.com

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: BRICKEY_PETER@Tandem.COM
Subject: Eddystone receivers
Message-ID: <199510150807.AA15673@gateway.cpd.tandem.com>

Hi;

Does anyone have access to a manual or schematics for the following Eddystone receivers?

Model 840-A	This is a general coverage AC/DC set
Model 888-A	This is a 12 tube Ham band only set.

The model 840-A has a lot of hum, so much that it's all one hears. It uses miniature tubes that look like our 7 and 9 pin tubes except that they have an extra pin in the center of the base.

The model 888 uses American tubes.

73's Peter KD6KDR

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Steve Ellington <n4lq@iglou.com>
Subject: FS: Hammarlund SP-600JX14
Message-ID: <Pine.SOL.3.91.951015215952.10961A-100000@iglou2>

This is the military version of the SP600. Mil number R274C/Frr. I looks like anyother SP600 and even says "SUPER PRO" on the front panel. The only visible difference is the color. It has a greenish, OD like finish over the front panel. The bezel around the dials is brass instead of black paint.

Condition:

Front panel, All original, no mods, all knobs original and perfect. Paint is a bit splotchy with age but with no serious scratches. Lettering is good.

Chassis is not rusted but does have some pitmarks from corrosion.

Operation: Works perfectly on all bands and functions.

Price. \$250 plus shipping from Louisville.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Steve Ellington <n4lq@iglou.com>
Subject: FS: Westinghouse 3KW XMTR
Message-ID: <Pine.SOL.3.91.951015212520.7595A-100000@iglou2>

Recently, I came into the possession of this Westinghouse MW-2 transmitter. Here is the description;

Westinghouse MW-2 RF Unit.

3KW OUTPUT

68"H, 12"W, 24"D

Weight about 200lbs

2 Through 30 Mhz

CW or FSK. AM with seperate external Modulator (not included).

VFO input

Tubes, 6AG7 Voltage amp, 1614 multiplier, 1614 keyer, 6146 second freq multiplier, 4-250 driver, WL5736 power amplifier.

Condition;

Front Panel. Excellent, all knobs original, Lettering intact, Meters clean, Controls smooth. BIG white ceramic feedthrough insulators on top for the antenna.

Have complete and original manuals.

Inside. Beautiful condition and somewhat awesome to behold. Especially the huge vacuum variables.

This transmitter has been installed in the previous owners (dinning room) during the past 40 years! His power supply was made from pieces and parts of a BC-610 which was installed in his basement. This part is not intact however, I have the major components needed to reconstruct it. i.e. power transformer, fil xfmr and capacitors.

Rolls easily on 4 casters and can be carried by 2 good men. The mostly aluminum construction kept the weight down and the rust away.

I will be glad to answer any questions from those seriously interested.

My asking price is \$1500. Delivery could be arranged within a few hundred miles. Pick-up is preferred.

Phone; Home 502-935-7848 Work 502-581-3890.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995

From: BHall88620@aol.com

Subject: Hallicrafters SX-24 Questions

Message-ID: <951015151105_74247937@mail02.mail.aol.com>

Dear BA folks:

I have a wonderful Hallicrafters SX-24 in my posession. Grandpaw recapped it (oops, re-condensered it) about 8 years ago. Works very well, in fact, it is often better than my little Sangean portable...

First, it seems to run hot. After about 30 minutes or so, the top of the metal cabinet on top of the S-meter gets really warm. Not hot, just very warm. Should I be worried? When I was in high school, I had a small fan that would blow into one side of the cabinet and out the other. Any benefit to continue to do this?

Second, it uses an 80 as a rectifier (but I guess you knew that by the

number, anyways). Will the 80 last longer with a lighter electrical load? Specifically, I notice that the incandescent bulbs that light the dials run on 6 VDC. If I disconnect them, will the 80 last longer?

How does an 80 work, anyways? Does the 80 work like a bridge rectifier or like a full wave rectifier? Anyone ever try replacing an 80 or other rectifier tube with (egads!) solid state components? (I cannot figure it out how the 80 works from the schematic, I understand solid state stuff, but not tubes yet...)

Third, grandpaw attached a 4 ohm speaker up to the 500 ohm speaker terminals. Is this okay or should I look for an audio matching transformer with a 500 ohm primary and a 4 ohm secondary to go between this output and the speaker to match the impedances?

Thanks in advance!

Ben
BHall88620@aol.com

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: Hallicrafters SX-24 Questions
Message-ID: <Pine.ULT.3.91.951015154044.7425B-1000000@admin.aurora.edu>

First, Ben, I doubt that there is a DC supply for the pilot lamps. Surely they are connected to the 6.3VAC filament line.

It is not a good idea to connect a 4 or 8 ohm speaker to a 500 ohm output. A lot of receivers back in those days had 500 ohm outputs. The matching speakers usually had a 500 to 4 ohm transformer in them. If you cannot find a suitable transformer, use a 120 to 12 volt filament transformer - that's usually a close enough match to work well.

The type 80 tube is a full wave rectifier. I have sometimes replaced those types of rectifiers with silicon diodes such as the 1N4005. But one thing that can happen is at turn-on, since the tube filaments are cold and the tubes are not conducting plate current, the B+ voltage can soar way above normal - sometimes higher than the voltage rating of capacitors - and POW!

To avoid problems like this, pull out the rectifier tube and measure the AC voltage between one of the smaller pins and ground. Multiply by 1.4 to get the peak value. Then look at the caps and make sure any that are connected to the B+ circuit, like the electrolytics, are rated above that. IF so, you can probably safely put in the diodes.

Anyone disagree?
de K9EUI

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: BHall88620@aol.com
Subject: Re: Hallicrafters SX-24 Questions
Message-ID: <951015175808_74284633@emout05.mail.aol.com>

In a message dated 95-10-15 16:48:17 EDT, you write:

>First, Ben, I doubt that there is a DC supply for the pilot lamps.
>Surely they are connected to the 6.3VAC filament line.

Oh boy... Am I ever red in the face! You are absolutely correct... I just remeasured it, and it is AC...

I guess I am just so used to working with DC I think everything is DC...

>It is not a good idea to connect a 4 or 8 ohm speaker to a 500 ohm
>output. A lot of receivers back in those days had 500 ohm outputs.
>The matching speakers usually had a 500 to 4 ohm transformer in them.
>If you cannot find a suitable transformer, use a 120 to 12 volt
>filament transformer - that's usually a close enough match to work well.

I'll get one for it. I didn't think it was a good idea!

>The type 80 tube is a full wave rectifier. I have sometimes replaced
>those types of rectifiers with silicon diodes such as the 1N4005.
>But one thing that can happen is at turn-on, since the tube filaments
>are cold and the tubes are not conducting plate current, the B+
>voltage can soar way above normal - sometimes higher than the voltage
>rating of capacitors - and POW!
>
>To avoid problems like this, pull out the rectifier tube and measure
>the AC voltage between one of the smaller pins and ground. Multiply
>by 1.4 to get the peak value. Then look at the caps and make sure any
>that are connected to the B+ circuit, like the electrolytics, are rated
>above that. IF so, you can probably safely put in the diodes.

I'll check it out before I do it. I asked because 80's are fairly plentiful now (AES sells 'em new for around ten bucks I believe) but I worry about years down the road... I want to be able to give this set in working order to my grandson or granddaughter... I am going to print your message out and a copy of it with the instruction manual for the set...

Thanks!

Ben

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Re: Hallicrafters SX-73/R274 problem solved!
Message-ID: <Pine.3.89.9510150825.A14483-01000000@unixs1.cis.pitt.edu>

Even the best of technicians fails to check filament voltages. Thanks for passing this tip on to us. I know that any set with a ballast tube is suspect. Thank you.

Back to basics! Check all voltages.

Dave, W3BJZ

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: Hallicrafters SX-73/R274 problem solved!
Message-ID: <199510151840.NAA21683@zoom.bga.com>

Enjoyed this fine war story about a sick ballast causing a low heater voltage. Yeah, I've been bitten by that one, more than once.

A slightly different circuit, but a box that I suspect that several people have, is the HP 400 AC voltmeter. It has a selenium rectifier that produces 12.6 volts fed to four 6CB6 tubes in series-parallel. There is a 10 ohm resistor in parallel with a 4 ohm rheostat for setting the voltage. If that voltage is low, the tubes won't draw enough current to pull the B power supply into regulation, and the symptom is that the meter heads over to full scale and pegs there on all ranges.

Another "trick" circuit is in Tek scopes that use letter-series plug-ins. There is a 75 volt 150 ma. feed to the plug-in that comes from the 100 volt supply. Scopes with delaying sweep use a 12AL5 and 12AU6 on the delaying sweep chassis in this chain. Other scopes have separate DC heater supplies for some tubes. Whenever I see one, out comes my trusty Volt ohmyst. Just about every time I've said "naw, that's not the problem," I've been bitten.

Yet another "trick" circuit is in audio stuff with fixed bias, that uses back bias (a resistor between the power transformer HV center tap and ground) to develop the bias. Bogen DB-20 used a fixed resistance with a 12-volt triode (12AX7?) across it. Depending on how the filter

caps were hooked up, you can have lots of trouble here if you've got cap problems or anything else that puts fault current across the back bias resistor.

The proper way to filter a back bias supply----and this is one mod I'll always make---is to return the main filter caps to the transformer center tap directly. This requires insulated caps, as the negative will be below chassis ground. Then put another filter cap between ground and the transformer center tap, with plus connected to ground. This takes the AC filtering off the smaller cap, which only has to bypass circuit noise. HP 200CD oscillator is an example of "doing it right" in a back bias circuit.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Hartley Roundup
Message-ID: <FAF63718.FAF63759@mail.admin.wisc.edu>

to: boatanchors@theporch.com

Hello Bob, et. al.

PROTEST!!! UNFAIR!!! I'M BEING DISCRIMINATED AGAINST BY THE RULES!!! ;-)

I've started construction on my transmitter, and even tho it's not finished yet it's ALREADY been declared illegal for the Hartley Happening!

The proposed rules call for a SINGLE tube, but the design I settled on is from the early '30s, and uses a PUSH-PULL Hartley oscillator!

In QST from the Depression period it appears that the rig of choice is a PAIR of type '10 or '45 triodes. The design seems to have the blessing of Mr. Grammar.

Frankly, I'm shocked by some of the power ratings these beasts have. For a pair of 245s, I'm seeing claims of 50 watts input, and for 210s we're looking at 75 watts... OR MORE!!! One must assume that this is based on a 40 - 50 WPM transmitting speed, with the dashes biased REAL short! In any event, those Old Timers had a hell of a lot more nerve than I'VE got. I believe in pouring the coal to the transmitter, but THAT'S RIDICULOUS!

BTW, you mentioned the Australians working 1500 miles on 4 MW; the rig that

crammed 600 VDC to 210s for over 75 watts input is an Australian design! Not only are those guys QRP operators par excellence, it appears that they're also QRO ops to the point of foolhardiness!

In any event, I agree that QRP is the way for us to go, but I'd like to see the limit a bit higher than one watt input. Not all of us have a good antenna for this type of rig (inverted L, Zepp, or Windom). Some folks will have to improvise in order to participate, doing stuff like loading up the coax shield to the tribander, or putting a clip lead on the rain gutters. In that situation one watt ain't gonna do diddleysquat.

How about a 5 watt input limit? Even with the worst antenna in the world a 5 watter oughta be readable.

73's

Mr. T., K9TA

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Steven Wilson <randyw@crl.com>
Subject: Re: Hartley Roundup
Message-ID: <Pine.SUN.3.91.951015052405.14865D-100000@crl10.crl.com>

Gee Tom in the 50's we use to run 75 watts to a 6L6 osc on the Novice bands. The specs are just for commercial users.... Amateurs can always get more.. hi de stan ak0b

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Mark60195@aol.com
Subject: HeathKit IT-3117 tube tester
Message-ID: <951015192049_45325297@emout05.mail.aol.com>

Just picked up a nice looking Heath IT-3117 tube tester. All seems fine with it except I have a lot of old 20's/30's tubes I'd like to check (the sockets are there), but the setup info for these tubes isn't on the dial thingy and I don't have a manual for it. If anyone knows of a manual or some way of cross referencing these tubes I'd really appreciate the info!

Mark Lakomski
WB9PPL

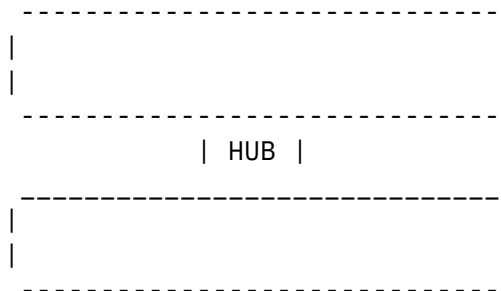
From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Richard Brisson <rbrisson@CSE.DND.CA>
Subject: Help ID

Message-ID: <199510152256.SAA16991@manitou.cse.dnd.ca>

I need some help in identifying a most unusual receiver or receiver accessory of probably 1950's vintage.

It has the designator AM-2477B (AM = Air Ministry ?) but no indication of manufacturer. It has BFO, SSB, tuning mechanisms (100 KC, 0.5 KC and continuous), so I am told.

The system can be best described as a 2-tier system joined in the middle by a 6-inch diameter hub:



Would anyone have a clue as to the manufacturer or origin of the above ? It is quite likely that at one time this equipment was at the Summerside Base in the Canadian Maritimes.

Richard.

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Josh Rovero <jrovero@q.continuum.net>
Subject: Hickok 292X Signal Generator Manual?
Message-ID: <199510152219.SAA23582@q.continuum.net>

Looking for a manual for this BA signal generator. Please respond by email.

Thanks,

Josh Rovero
jrovero@q.continuum.net

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>

Subject: Historical Photos - and Photo CD
Message-ID: <9510142121.aa10698@jackatak.theporch.com>

Hi Gang-

Chuck <penson@geom.umn.edu> wrote:

> May I suggest that you have someone digitize the photos and provide
> a disk of them to those who can demonstrate a need. Anyone who wanted
> to use them in a publication would need digitized files anyway.
Good thought! I have had some marvelous shots, taken by Hank, W2IQ,
of some of his period rigs... 160M, 80M, and near VHF 40M which he has
built using period materials and techniques from older firebottles
given him by folks who happen across them... Hank checks'em out, and
if there is life left, builds a rig of amazing quality and character.

The 160M rig sports a tube from 1921, external anode and about 25"
tall, with a mahogany cabinet with five 4" meters up the side.

I had 17 negatives, and had planned to scan the better 8x10s to
digitize them for posterity. Then, I happened across an ad for a
"PhotoCD"(tm) a CD-ROM, but of a different format. The place is in
Atlanta, and charges \$7 for the disk, and \$0.90 (that is 90 cents
each) for the scans, minimum of \$15.00, so the 17 negatives will be
popped onto a CD-ROM for me and shipped back for \$22.00! I got a
couple extra copies for others to check out... And, since each picture
will be in FIVE different resolutions, up to "Magazine Cover Quality"
I figure it was well worth the look-see... I'll keep everyone posted,
and maybe include them on the BoatAnchor CD-ROM to be released this
winter...

> Keep the originals in a safe place.

Amen! And make sure they are protected from all the junk in the air
which will leach out the colors. ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebot1@jackatak.theporch.com ----- listown@jackatak.theporch.com

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995

From: bill.sorsby@dlep1.itg.ti.com (Bill Sorsby)

Subject: Is FT-101E a BoatAnchor

Message-ID: <199510151511.KAA10809@dlep1.itg.ti.com>

Greetings,

At the Belton hamfest last Saturday, I had the opportunity to buy a Yaesu FT-101E carcass for \$5, but passed it up. It appeared complete except for the tubes. I've been reassessing my decision since then. I could have used the parts, but I would really have wanted to get it working again given it's obviously good condition.

Anyway, I'd like to know if anyone thinks a Yaesu FT-101E is a BoatAnchor? ;-) It weighs more than my SB-102, the KW2000B or my Swan 500. But, it's not American made. But it is a tube rig.

Any thoughts?

Regards,
Bill, N5BU

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Neal McEwen <nmcewen@metronet.com>
Subject: Levinson Radio ?
Message-ID: <199510150255.AA16269@metronet.com>

Hello BAers,

I ran accross a real oddball bug. It is big and heavy and resembles an overdesigned Vibroplex "Lightning Bug". On the black wrinkle base is a decal stating "Levinson Radio, St.Louis Mo."

Does anyone know of Levinson ? Did they manufacture keys ? Or were they a reseller ? The knurling on the adjusting pieces are unlike anything I have ever seen. Could this have been imported from XXXX ?

Any BAers in the St. Louis area ?

--

73 de K5RW - Neal McEwen - Richardson, TX (Dallas)
***** I collect old telgraph and wireless telegraph keys *****
HomeNet - nmcewen@metronet.com - OS/2 tcp/ip SLIP
HomePage - http://fohnix.metronet.com/~nmcewen/techno_weenies.html

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: W7FG@aol.com
Subject: Looking for Coils
Message-ID: <951015132536_124393055@mail04.mail.aol.com>

I'm needing coils that look like they are for a BC-610 but are not. Difference is they have nine banana plugs, and have an extra winding near the center end of each coil that goes around the main winding.

Also smaller coils that have a brown cage around airwound stock, using 3 or 4 banana plugs on a plug bar similar to that of the BC 610 coils.

Part numbers stamped on Porcelain bars will have a 1500 series number.

If ya have and want to part with em, let me know how much and we'll go from there.

Also looking for a 10 volt 10A filament transformer with the secondary center taped,
110 VAC primary preferred.

Reply to:W7FG@AOL.COM

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995

From: Neal McEwen <nmcewen@metronet.com>

Subject: Makers of bugs, need help to complete

Message-ID: <199510150441.AA04999@metronet.com>

Hello All,

I've been working this list of domestic 'bug' makers for quite a while. I have really not had the opportunity to share it with too many people. E-mail is such a wonderful tool for communication, so hence I'll distribute this and hope I get some feedback.

Any additions or corrections are welcomed. Does anyone out there have all of these makers represented in their collection? Would be interested to know how many of them you have.

--

73 de K5RW - Neal McEwen - Richardson, TX (Dallas)
***** I collect old telgraph and wireless telegraph keys *****
HomeNet - nmcewen@metronet.com - OS/2 tcp/ip SLIP
HomePage - http://fohnix.metronet.com/~nmcewen/techno_weenies.html

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995

From: Nina West <ninaw@u.washington.edu>

Subject: Manuals for HP200CD and HP400D

Message-ID: <Pine.A32.3.91j.951014194115.85352B-100000@homer29.u.washington.edu>

I picked up a couple of HP units today and was hoping that somebody out there might have their operations or service manuals. They are:

HP200CD Audio Oscillator

HP400D VTVM (the name plate is missing but it looks similar to the HP400H in the Fair Radio catalog and 400D is scratched onto the back cover.

The usual reimbursement for copying and shipping or trade for?

Thanks in advance.

Fred Powell

c/o

ninaw@u.washington.edu

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995

From: MODSTEPH@ACS.EKU.EDU

Subject: Re: Military Tube Designations

Message-ID: <01HWGV032KB600040N@ACS.EKU.EDU>

I believe many of the ARRL "Handbook" issues, particularly thru the '50's, have a decent cross-reference on military/industrial types to more common nomenclature.

73, Al N5AIT

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995

From: Sandra L Knepper <slkst29+@pitt.edu>

Subject: Military Tube Designations

Message-ID: <Pine.3.89.9510150809.D14483-0100000@unixs1.cis.pitt.edu>

I have just acquired hundreds of various military designated tubes - the ones with the four digit number - I do have a SAMS Tube manual that provides me with most of these crossovers to the standard industrial designations like 6BA6 etc. However, the the SAMS list is rather incomplete. Can anyone help me on this one by posting a list or giving me a reference.

Thank you.

Dave, W3BJZ

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995

From: dsa@apollo.hp.com

Subject: MORE BA (Telephone)-related trivia...

Message-ID: <199510160103.UAA12531@uro.theporch.com>

Ok, here's another one... In what town was the first DIAL telephone system installed? I'll give you a hint... It was also in Maine and even MORE notorious for being where I was raised. ;*)

Any takers?

-Dale

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Lrware@aol.com
Subject: National NC-120 manuals needed
Message-ID: <951015221129_74353395@emout06.mail.aol.com>

Wanted: Copies of National NC-120 manuals
Will pay all costs.

Larry Ware
lrware@aol.com

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: HAMRLUND@aol.com
Subject: Re: National NC-120 manuals needed
Message-ID: <951015231842_74373261@mail02.mail.aol.com>

an ad in ATR for national. i have delt with max before, he is very nice and has an excellent selection on National. He was at one time one of the biggest National distributors.

ad:
National Radio manuals and selected NCL-2000 parts. List SASE:
Maximillan Fuchs, KA10C
11 Plymouth lane
Swampscott MA. 01907

if you call information for swampscott ma, you can get his phone number. all are copies, with a few originals left. (the last i talked to him)

robert

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: bz649@cleveland.Freenet.Edu (Kenneth V Zichi)
Subject: Need data for Sylvania Model 220 Tube Tester
Message-ID: <199510152235.SAA19845@kanga.INS.CWRU.Edu>

Hello all --

I've recently got a 'new' chewb checker that came with the lamest roll chart I've seen in a dog's age.

Anyone have updates/backdates for this model machine? What I've got is a good selection of mid-age octal tube settings, but nothing for older 4-7 pin tubes or for more recent 7-9 pin mini-pin tubes.

A listing of 'obsolete' tube settings would be ideal if anyone has such an animal lying around. Holler at me and we'll arrange postage and copying costs. Thanks! //kv zichi

--

73 //kv zichi bz649@Cleveland.FreeNet.edu

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: pmills@cyberhouse.com (Phil Mills)
Subject: need tool recommendation
Message-ID: <199510160034.TAA22393@ns.cyberhouse.com>

Can anyone recommend a tool for removing the round, serrated nuts that sometimes are used with switches and jacks instead of hex nuts? I don't like having to use pliers on them as something gets nicked in the process.

thanks,
Phil Mills, AB5TH
pmills@cyberhouse.com
713-482-2763

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Steve Ellington <n4lq@iglou.com>
Subject: Re: need tool recommendation
Message-ID: <Pine.SOL.3.91.951015210959.5149A-1000000@iglou2>

> Can anyone recommend a tool for removing the round, serrated nuts
> that sometimes are used with switches and jacks instead of hex
> nuts? I don't like having to use pliers on them as something

> gets nicked in the process.

Don't use a tool. Loosen the nut behind the panel with a wrench or turn the entire switch.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: HAMRLUND@aol.com
Subject: need xfmr ID
Message-ID: <951014211240_124099484@emout05.mail.aol.com>

Loaned out my catalogs, and of course, now i need to use them and don't have them.

does anyone have any info on the following:

utc special series type S-55
utc special series type S-22
thordarson type T-47109

anybody able to help?
thanks in advance
robert

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: need xfmr ID
Message-ID: <Pine.ULT.3.91.951014205817.4765A-100000@admin.aurora.edu>

Here is the dope I have:
S-55 is a 6.3V at 3 Amp filament xfmr. Breakdown is 1500V
S-22 is a "universal" modulation xfmr, Class B primary (modulator side)
to Class C secondary. Rated at 250 watts. Primary is between 14K
and 22K Plate-to-plate Z. Secondary is between 1.5 and 18K. If you need the
tap info for this one let me know - too much to post here.
Sorry, I don't have any Thordarson dope.
Bob, K9EUI

On Sat, 14 Oct 1995 HAMRLUND@aol.com wrote:

> Loaned out my catalogs, and of course, now i need to use them and don't have
> them.
> does anyone have any info on the following:
>
> utc special series type S-55
> utc special series type S-22
> thordarson type T-47109
>
> anybody able to help?
> thanks in advance
> robert
>
>
>

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Oddball British Tube ID
Message-ID: <FAEK4808.FAEK4820@mail.admin.wisc.edu>

to: boatanchors@theporch.com

Greetings.

I'm looking for information on an oddball tube I came up with.

The tube is obviously British (has the ubiquitous "Air Ministry" markings). It has the strangest base I ever saw; a large phenolic block with a hole in the center that the tube envelope nestles in, and a banana jack on each corner of the square block. No plate or grid caps. It is clearly a triode.

Markings indicate that it is a Mazda type VT-25. Unfortunately, my VOM says the filament is open. The tube stands about 8 or 10 inches tall.

Can anybody tell me anything about it, and what time frame we're talking? My gut feeling is it's from sometime between the World Wars.

73's,

Tom, K9TA

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Bill Smith <bilsmith@crl.com>
Subject: Re: Oddball British Tube ID
Message-ID: <Pine.SUN.3.91.951014185445.13664A-100000@crl.crl.com>

My cross-reference chart for a VT-25 says it is a type 10. Dunno about the base, though.

73 de Bill, AB6MT
bilsmith@crl.com

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: jproc@worldlinx.com
Subject: RE: Oddball British Tube ID
Message-ID: <Chameleon.4.01.2.951015110029.jproc@jproc>

>Markings indicate that it is a Mazda type VT-25. Unfortunately, my VOM says
>the filament is open. The tube stands about 8 or 10 inches tall.

Tom,

I have and exact one of these as a paperweight in my office including the open filament and the matching base. Is is a type 10 power triode. Mine was made by Raytheon for the British Air Ministry in Aug of 1960. Someone in the BA group was looking for one of these for their BC-??? a while back, so the tube must then date back to the second world war.

Regards,

Jerry Proc, VE3FAB
Radio Restoration Volunteer
HMCS Haida
E-mail: jproc@worldlinx.com
Toronto, Ontario

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: R-390A power switch
Message-ID: <199510150229.TAA20724@hobbes.UCSC.EDU>

I've heard of a lot of people having problems with this. I just looked at the schematic, and the switch is just there, in series with the power transformer primary. And people who have opened them up have talked about the contacts being pitted.

Back when I worked for Teletype it was pretty standard to connect a spark

suppressor across switch contacts that make or break an inductive circuit. The thing we used was, as I recall, something like .05 mf capacitor in series with 1K resistor, or maybe .1 mf capacitor in series with 500 ohms. (There were at least two of them, depending on the power level involved.) So maybe there is a need for something like that here to protect the switch contacts.

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: "Ray L. Mote" <rmote@rain.org>
Subject: R-392 plate voltage increase
Message-ID: <Pine.SUN.3.91.951015083048.2622A-100000@coyote.rain.org>

Several folks seem to have had some success with increasing plate voltage on their R-392 receivers from 28VDC to the 35-40VDC region. Results described appear to be subjective rather than quantitative, leaving me with a couple of questions:

1. Has anyone measured the "old" and "new" Q-point voltages with a good high-impedance-input voltmeter? (Preferably 10 megohm or above, measuring both grid and plate voltages with RX front end terminated in proper impedance.)
2. Has anyone made any distortion measurements in the RF, IF, and audio stages with both the "old" and "new" plate voltages? Sensitivity measurements on the overall system?

What's eating at me is the potential for a shift in bias resulting from the change in plate voltages, potentially resulting in tube operation in a region of the characteristic curves that would be less desirable. Although I would expect the slope of the load line to remain constant, I don't see how the high voltage/low current endpoint can stay in the same place (for the output side of the circuit). Anybody wanna educate this dummy?

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: "Mitch, WA4OSR" <fmitch@maf.mobile.al.us>
Subject: Re: Re. RTTY Remembered
Message-ID: <Pine.SOL.3.91.951015215104.27298A-100000@ns1>

ah yesssssss.....

i still remember the look on my dad's face as the freight truck slowly backed down our driveway and stopped... army mars has actually sent me a model 19.... i guess with the wooden crates and all, it only weighed

about half a ton... i had to round up a couple of other neighborhood kids to help unload it...

mitch
wa4osr

* * * The *FIRST HAM OWNER* of The Vibroplex Co., Inc. * * *

Email: fmitch@maf.mobile.al.us Felton "Mitch" Mitchell, WA4OSR
The Vibroplex Co., Inc.
11 Midtown Park, E.
Mobile, AL 36606-4141 USA
334-478-8873 Vibroplex, 334-342-7259 home, 334-476-0465 FAX

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Re. that "other" xtal
Message-ID: <FAEI5150.FAEI5201@mail.admin.wisc.edu>

to: boatanchors@theporch.com

Hello Bobbi, et. al.

Re. the 160 rock that won't double:

Something doesn't smell right about your oscillator. I suspect a feedback circuit that's optimized for odd multiple overtone operation, either by chance or deliberate design (my money is on the former).

I'd try the rock in some other rig / oscillator, and see if the beast will double there. If it does, take a close look at your rig's oscillator. I've NEVER seen or heard of a crystal that wouldn't at least run on it's fundamental in the grid circuit, and provide enough juice for doubling in the plate circuit.

73's,

Tom, K9TA

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: Re. that "other" xtal
Message-ID: <Pine.3.89.9510150200.A11337-0100000@indy1>

Hi!

My thanks to Tom Adams and all the other folks who have offered advice about the non-doubling crystal. Haven't had a chance to make some changes to the grid circuit (which I'm suspicious of) yet, but I agree with Tom--there's no reason for this critter to not double! Especially since the little rig percs okay doubling an 80m rock to 40.

On 40, it's actually working quite well! Considerably more stable than the VFO-driven effort. ...Now if only 7125 wasn't the hangout of some *serious* SWBC stations, I might be getting somewhere.

I'd built a (1930s-style) antenna tuner (the antenna being an end-fed 40M halfwave in the shape of a twisted question mark) but it turns out the little transmitter works better without it; after fussing around and even trying a pi-net, I just hooked the link up to ant. & ground and at resonance, the ol' 115ma current-squared RF galvanometer went slamming toward the end stop. A 150ma pilot lamp in the antenna lead comes to dazzling brightness, so there's some RF heading up the wire anyway.

Guess it's time to get out the abrasive, and try to sneak out from under Radio Somewhere--calling a few cycles off their carrier didn't produce any results, and nobody else was calling close enough to try for.

Heard quite a few sigs *lower* down, so perhaps I'll try a pencil or solder first. At least one of 'em was proof that either T.O.M.'s worst fears were true, or hope springs eternal: "CQ DX de K----" ground out at a steady ~10wpm, above 7100kc.Maybe he was hoping to hear from elusive Deepest Vancouver or something? :) (Or am I mis-remembering the allocations?)

Not that I'm blameless--having not done much on the air for so long and being on the third set of calls, sometimes there's a bit of a pause: "de KB9G" oh gee, umm "K" err "X..KB9GKX dahdedaaaaahh..." >blush<

73,
--Bobbi

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Fire Bottle archive handler <firebot1@jackatak.theporch.com>
Subject: regen AF choke plate loads
Message-ID: <9510150942.aa20335@jackatak.theporch.com>

Steve Byan <steve@hi.com> wonders:

> Both references call out huge values for the AF choke - 300 to 500 Henries.
> I've never seen a choke this big - is this a typo?
I would guess it sure is... probably more on the order of 300 uHy

I looked up the references in the ARRL Handbook (1959) and saw the 500 HY specification in the figure notes...

Hmmmm. So, I wandered down to the garage, where I keep things that make the concrete lay flat, and inspected a rather hefty (60 lbs +/-) "Swinging Choke" from a Gates Transmitter... let's see.... hmmmm. says here that it is 5 to 16 HY at 10,000VDC with a pass-through current between .5 and 1.5 AMPERES!

That would make a 500 HY choke somewhat bigger than a breadbox.

Curious, I turned to page 26, where the Handbook deals with what a Henry is... and saw immediately that they had defined the equation in terms of MICROHenry's.... and further reading indicates, microhenry as the unit of measure in regen circuits at "lower" frequencies, and the millihenry for circuit at "higher" frequencies.

> Where can I find a 500 Henry choke?
I suspect that TVA has a few... ;^)

> Is there an advantage to using a choke rather than an
> interstage coupling transformer?
I do not *know* the answer, but I suspect that coupling through an inductive load maintains the feedback, whereas a transformer would roll it off and make the regen less easy to tame...

BTW, that swinging choke is available to anyone who has a need (or want) and can be delivered to lots of places, as long as you don't mind me taking some time to get there... Shipping would be pretty expensive, but I don't mind handling the pack if you don't mind the \$\$\$;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: HAMRLUND@aol.com
Subject: shure carbon mic model 3B
Message-ID: <951015114319_45052211@emout05.mail.aol.com>

missing one (right side) hanger.
tag on back like new.
any info appreciated.

also have wooden heathkit speaker. has grey metal grill with round (apprx. 1/2" pref's)
has emblem "heathkit" lower right corner under grill.
cabinet heath green
any info also appreciated.

also have shell for shure "mercury model 611" hiz
info needed.
thanks
robert

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: swheaton@tyrell.net (Sheldon Wheaton)
Subject: Re: Silica Gel
Message-ID: <199510150642.AA18689@www.tyrell.net>

A comment about dessicants: They will only work in a sealed area. If you've ever opened up a WWII surplus box and found a dessicant bag in it, you might recall that it was sealed up real good before you got to the dessicant. If you just toss a dessicant inside a BA, or in a cardboard box containing a BA, it will immediately start to soak up the humidity in the surrounding air, and in just a few minutes/hours/days (depending on humidity), it will be saturated and will no longer function. The dessicant must be kept in a sealed container right up to the point where it is to be placed into the destination sealed container (with a BA in it), and the transfer should preferably be done in a dry location so that the BA containing box doesn't have a lot of water vapor (humidity) in it to start with. As a general rule, the end use container needs to be essentially submersible without water leakage in order to be able to utilize the dessicant for any period of time.

I work as a mechanical engineer for a GPS manufacturer, and we use dessicants inside some products that are also filled with dry nitrogen to displace any water vapor in the entrapped air. The dessicant is installed in a special dry environment room. It works well when done correctly.

If you find a dessicant bag that is not in a sealed container, don't even think about using it. It will already be saturated. Some dessicants can be "recycled" by baking them, but that is another subject altogether.

73, Sheldon KC0CW
swheaton@tyrell.net

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Fire Bottle archive handler <firebot1@jackatak.theporch.com>

Subject: Re: Some BA-related trivia
Message-ID: <9510142313.aa12191@jackatak.theporch.com>

Hank van Cleef answers...

> As Paul H. Bock said

> >

> > What year was the last hand-cranked local telephone system
> > taken out of service in the U.S.? In what state was it located?

> >

> Island Pond, Maine was the only US telephone system with hand-cranked
> phones in 1980.

Give him a cheroot! BTW, Island Pond was an independent telephone
company, relatively common in that neck of the woods...

In 1964, during my first year of grad school, I was hired to phone in
election results during the NH primary...

Was sent to Pittsburgh, NH... a small town at the head of hte
Connecticut Lakes... they had a magneto hand-crank system, and placing
a credit card call to ABC was a bit difficult... and the NBC feed was
by a local, who ALWAYS got through first! ;^)

Snowed like hell that night, and I was genuinely glad to return to
college... rare thought! ;^)

And now back to firebottles... ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: Re: Some BA-related trivia

Message-ID: <Pine.ULT.3.91.951015093759.25778D-100000@admin.aurora.edu>

Speaking of hand cranked phones - In the early 60's I had occasion to be
at White Sands missile range in New Mexico. A runner found me and told me
I was supposed to return an emergency phone call back up to Maine, where
my permanent duty station was. He gave me directions to a phone booth
and when I got there I was shocked to see an old wooden Western Electric
crank phone in the shiny aluminum booth. This surely seemed out of place
surrounded by all the hi-tech military gear!

Bob, K9EUI

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: berg stephen erik <z931086@oats.farm.niu.edu>
Subject: Re: Some BA-related trivia
Message-ID: <Pine.SOL.3.91.951015101906.23749A-100000@oats>

When I was off in beautiful S.E. Asia in the late 1960's we had the crank type Army field telephones. (I also carried a PRC-25 radio then which had a tube final amplifier - Boatanchor tie in here.) My first sergeant in the LRRPS was tryng to place a call to one of his buddies a hundred miles or so away on the landline. After about 30 minutes or so making the connections from operator to operator, he finally got through. Seconds after greetings were exchanged, the line went dead. It was sad to see the tears trickling down that battle hardened face. I didn't blame him a bit.

73,

Steve WA9JML

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: bill.sorsby@dlep1.itg.ti.com (Bill Sorsby)
Subject: Super-Pro Front Panels
Message-ID: <199510151954.0AA02137@dlep1.itg.ti.com>

Another item I picked up at the Belton hamfest last week was a BC-779 Super Pro. (Same as SP-200, I believe, and yes, it was cheap, too.) Electrically, this receiver is incredibly clean. It's complete and except for a coax input connector, it looks like no modifications have been made to it. Cosmetically, well, the front panel has a lot of peeling paint.

I got this thing because my first decent receiver when I was a novice 30+ years ago was a BC-779. Gave it away years ago, too.

Anyway, it seems like I saw a posting not too long ago for someone who refinishes the front panels of these things. (I refinished the front panel of the BC-779 I had when I was a kid and did a fairly decent job too, but I'm not sure I want to do it again. ;-)

If anyone remembers who refinishes these things, please let me know.

Regards,

Bill, N5BU

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Re: Super-Pro Front Panels
Message-ID: <Pine.3.89.9510151905.D21318-0100000@unixs6.cis.pitt.edu>

I don't mind giving a plug to Ron Eisenbrey, AB5WG who has been refinishing panels and cabinets using power coatings. He did my two Rangers and I must say they were gorgeous. Call him at 713-491-7823 in the evenings. He is now on refinishing Heathkit panels and cabinets. He take special orders.

Dave, W3BJZ

On Sun, 15 Oct 1995, Bill Sorsby wrote:

> Another item I picked up at the Belton hamfest last week was a BC-779 Super
> Pro. (Same as SP-200, I believe, and yes, it was cheap, too.)
> Electrically, this receiver is incredibly clean. It's complete and except
> for a coax input connector, it looks like no modifications have been made to
> it. Cosmetically, well, the front panel has a lot of peeling paint.
>
> I got this thing because my first decent receiver when I was a novice 30+
> years ago was a BC-779. Gave it away years ago, too.
>
> Anyway, it seems like I saw a posting not too long ago for someone who
> refinishes the front panels of these things. (I refinished the front panel
> of the BC-779 I had when I was a kid and did a fairly decent job too, but
> I'm not sure I want to do it again. ;-)
>
> If anyone remembers who refinishes these things, please let me know.
>
>
> Regards,
> Bill, N5BU
>

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: testing xtals
Message-ID: <Pine.ULT.3.91.951014211141.11105A-100000@admin.aurora.edu>

Since the subject of xtals has been brought up, thought I'd pass along my favorite xtal osc circuit. I mainly use it for testing various xtals to see if they oscillate at all or what their fundamental freq is. I realize this is not a BA circuit in itself but is easy to build in a very small minibox.

I use a plain old 7400 quad 2-input NAND gate. Connect the output of stage 1 directly to the inputs of stage 2. Connect the output of stage 2 directly to the input of stage 3. Stage 4 is unused. Between the inputs and output of stage 1, connect a 820 ohm resistor. do the same for stage 2. Between the input of stage 1 and the output of stage 2, connect the xtal and a 27 to 32 pf cap in series. If you use a 74LS00 use 1K resistors instead. Take the output off the output of stage 4. Any xtal worth trying elsewhere will work here and it will be on the fundamental freq of the xtal. Overtone xtals will oscillate about 1/3 or 1/5 (depending which type they are) of the design frequency (not exactly, though). This circuit works down to about 1MHz.

Bob, K9EUI

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Neal McEwen <nmcewen@metronet.com>
Subject: The bug maker list i forgot to include
Message-ID: <199510150445.AA05691@metronet.com>

Hello All again,
Here is the list I forgot to include the first time around.

Domestic Manufacturers of Semi-Automatic Keys
"bugs"
compiled by B. Neal McEwen, K5RW
corrections or additions welcomed

Manufacturer	Location	Dates
A-to-Z Electric Novelty Co.	Chicago, Ill.	pre-WWI
A.E.Co	Chicago, Ill.	pre-WWI
Abernathy	Hampton, Va	1916-19??
Bell Novelty Co.	Cedar Rapids, Iowa.	1949-1950s
Boulter, R.L.	Los Angeles, Cal	1913-1920
Breedlove (Codetrol)	Ga.	1950-1951

Brooklyn Metal Stamping Co.	Brooklyn, N.Y.	1930-1942
Brown Bros.	St. Louis, Mo.	1967-1975
Bunnell, J.H. (Gold Bug, et.al.)	New York, N.Y.	1926-1960
Clark, James (Rotoplex)	Louisville, KY	1942-1945
Cote, O.E.		1930s
D&K Mfg. (Dinger)	Cleveland, Ohio	1909-1920
Delaney Telegraphic Transmitter Co.	New York, N.Y.	1907-1924
Dow-Key	Minnesota	19??-1960
Dunn, Thomas J. (Dunnduplex)	New York, N.Y.	1909-1913
Electric Specialty Co.	Cedar Rapids, Iowa	1939-1955
Electro Mfg. (Electro Bug)	San Francisco, Fresno	1924-1934
Emory, A.H. (Go-Devil)	Poughkeepsie, N.Y.	1934-1950
Hulit	Topeka, Ks	1909-1911
Hunter (Apex)	Tampa, Fl	1935-1965
Johnson, E.F. (SPEED-X)	Minnesota	1955-1970
Kenmore (Kenco)	Boston, Ma.	1934-1941
King & Co. ("Orig. Am. Vibroplex")	Cincinnati	pre-WWI
Leach (Speedoplex)	Los Angeles	1920-1930s
Levinson Radio (Like-a-Flash)	St. Louis	1930s?
Lionel	N.Y.	1942-1945
Lippencott	??	pre-WWI
Logan, Les (SPEED-X)	San Francisco, Ca	1928-1955
MacDonald, Wm.	Chicago, Ill.	pre-WWI
Martin Research & Mfg.	N.Y.	1933-1939
Martin, Horace G. (Vibroplex)	Brooklyn, N.Y.	1903-1914
McClintock (Keen-Kode)	Minneapolis, Minn.	1931-????
McElroy, T.R.	Boston, Mass.	1934-1955
Mecograph	Cleveland, Ohio	1906-1913
Melehan (Valiant)	Anaheim, Cal.	1939-1947
Mt. Auburn Specialty Co.	Cincinnati, Ohio	pre-WWI
National Transmitter Co.	New Jersey	1920-19??
Pat Products	Roseland, N.J.	??
Philadelphia Thermo. Inst. (Triplex)	Philadelphia	1924-1926
Postal Telegraph	??	1925??
Sarno, J.J	??	??
Signal Electric (Sematic)	Michigan	1928-1934
Specialty Shoe Mach. (Shawplex)	St. Joseph, Mo	1919-????
Standard Radio	New York	1930s ?
Starkins, W.R. (Equable)	Rochester, N.Y.	1940s
Telegraph Apparatus Co.	Chicago, Ill.	1943-1950
Thomas, O.M., Electric	??	pre-WWI
Ultimate Transmitter Co. ('73')	Los Angeles	1925-1932
United Electric Mfg. (Vibroplex)	Norcross, Ga.	1903-1910
Vailograph International Co.	Minneapolis, Minn.	1908-1912
Vibroplex	New York, Maine	1914-pres.
Western Electric	New York, N.Y.	1916-????
Westinghouse Air Brake	Wilmerding, Pa.	????

Wheaton Res. & Dev. (Go-Devil)

Wheaton, MD.

1930s-1950s

nmcewen@metronet.com

--

73 de K5RW - Neal McEwen - Richardson, TX (Dallas)
***** I collect old telgraph and wireless telegraph keys *****
HomeNet - nmcewen@metronet.com - OS/2 tcp/ip SLIP
HomePage - http://fohnix.metronet.com/~nmcewen/techno_weenies.html

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995

From: dmedley@indirect.com (David Medley)

Subject: Tube rectifiers FS

Message-ID: <199510142049.NAA05978@bob.indirect.com>

I recently posted a number of 4 pin rectifiers I need to dispose of but received only one partial response. I have now added a bunch of octal based tubes and divided it into three lots. Each lot contains:
5U4(6),5Y4(2),5V4(1),5Y3(7),5R4GY(1),80(8),5Z3(3),866(2),83(1).

\$100.00 per lot. This is \$80.00 for the tubes plus \$20.00 to double box and ship.If you think this is too much make an offer.

Replies to dmedley@indirect.com

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995

From: Steven Wilson <randyw@crl.com>

Subject: Wanted plug-in coil forms

Message-ID: <Pine.SUN.3.91.951015183549.26029A-100000@crl14.crl.com>

I am looking for 5 or 6 plug-in coil forms. They can be 4 or 5 prong. Anything from 1 1/4 to 1 3/4 inch dia.

Would be nice if I could find them all the same.

Building a 30's era tube rig for entry in our local QRP club homebrew contest

de stan ak0b

e-mail via randyw@crl.com

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995

From: Terry Pridgen <pridgent@pinn.net>

Subject: Which Receiver ?

Message-ID: <Pine.SUN.3.91.951015113652.21045A-1000000@everest>

Looking to buy a good boatanchor ham receiver. Would appreciate any and all recommendations. Please send info to:pridgen@pinn.net 73//Terry//

From boatanchors@theporch.com Mon Oct 16 03:22:00 1995

From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>

Subject: WTB frequency counter - I have one. Nixies!

Message-ID: <9510151141.aa21815@jackatak.theporch.com>

On Fri, 13 Oct 1995, Phil Mills wrote:

> I need to acquire a good frequency counter for mostly HF use but if
> it extends to VHF so much the better. Does anyone have any recommendations
> or anything for sale?

I offer this to anyone who is interested:

I have a General Radio Model 1192B Frequency Counter with
ORIGINAL manual

0-50MHz

Nixie tube display (hey! this is 20 year old or more ;^)

It was working long ago, but we have moved three times since I plugged
it in and turned it on.

I will pack and ship for the best offer received by 10/21 (Phil gets a
free swing if he is interested...) UPS GRound, unless someone is real
itchy

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebotl@jackatak.theporch.com ----- listown@jackatak.theporch.com

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995

From: David Adams <dave@flowserver.stem.com>

Subject: WTB: Tube tester

Message-ID: <9510150221.AA02540@flowserver.stem.com>

I'm ffairly sure my friends are getting tired of my borrowing equip. Can any recommend a good all-around tube tester?

Dave

From boatanchors@theporch.com Sun Oct 15 15:52:00 1995
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: WTB: Tube tester
Message-ID: <Pine.ULT.3.91.951015091955.25778A-100000@admin.aurora.edu>

Try for a Hickok. I have always used a model 600A and have seen these at hamfests for as little as \$25.00. AT least get one that measures transconductance rather than the more simpler emission testers.
Bob, K9EUI

On Sat, 14 Oct 1995, David Adams wrote:

>
> I'm ffairly sure my friends are getting tired of my
> borrowing equip. Can any recommend a good all-around tube tester?
>
> Dave
>